

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended) A cladding comprising:

an elastic boundary layer which forms the surface of the cladding, and

a polymer actuator in the form of a membrane actuator which forms the cladding for the deformation of the boundary layer,

wherein the cladding bears on a substrate by means of a bearing area which matches the surface area of the cladding in terms of magnitude and bears fully on the substrate, with only subregions of the bearing area being fixed to the substrate, and wherein the cladding is provided with through-holes.

2. (cancelled)

3. (previously presented) The cladding as claimed in claim 1, wherein the cladding is fixed to the substrate at regular intervals in a punctiform manner.

4. (cancelled)

5. (previously presented) The cladding as claimed in claim 1, wherein said cladding is composed of individual lamellae which are each fixed to the substrate by means of one end, with the lamellae each being polymer actuators in the form of bending actuators.

6. (currently amended) A cladding comprising:
an elastic boundary layer which forms the surface of the cladding, and

a polymer actuator in the form of a membrane actuator which forms the cladding for the deformation of the boundary layer,

wherein the cladding bears against a substrate by means of a bearing area which matches the surface area of the cladding in terms of magnitude and bears fully on the substrate, with the cladding being firmly connected to the substrate by means of the entire bearing area so that the cladding is maintained in a stable manner such that the polymer actuator is not deformed by the cladding being lifted and arching away from the substrate, but by locally applying an electric field to the polymer actuator, and having

wherein the cladding has at least one electrode layer for the polymer actuator, which electrode layer extends only over a subregion of the polymer actuator.

7. (previously presented) The cladding as claimed in claim 6, wherein the electrode layer forms the webs of a honeycomb-like structure on the polymer layer.

8. (previously presented) The cladding as claimed in claim 6, wherein the substrate forms an electrode for a polymer layer of the polymer actuator.

9. (previously presented) The cladding as claimed in claim 1, wherein the boundary layer is in the form of an auxiliary layer on the polymer actuator.

10. (previously presented) The cladding as claimed in claim 7, wherein the substrate forms an electrode for a polymer layer of the polymer actuator.